RasterJet™

MEHTA PRINTER

TECHNICAL SPECIFICATION

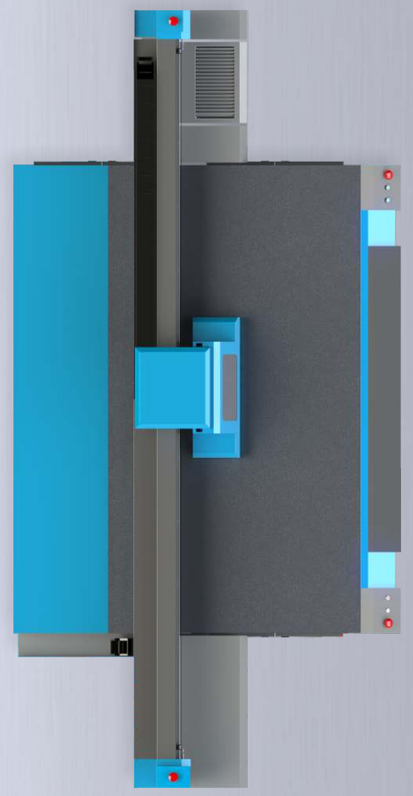
Model	RJ 7500	RJ 1016
Print Head	6 x Rioch GH2220 Industrial Printhead	
Structure	Industrial Structure Frame With Heavy Duty Y-Bar	
X&Y Motor	AC Servo Motor from Yaskawa (Japan)	
Maximum Print Size	70cm (W) x 50cm (H)	100cm (W) x 160cm (H)
Printing Resolution	635x900 dpi, 635x1200 dpi, 635x1800 dpi	
Printing Direction	Uni and Bi-Direction	
Printing Technology	Variable Dot Printing (Gray Scale Printing)	
Media, Table Size & Thickness	80cm (W) x 60cm (L), Max. Thickness: 30cm	105cm (W) x 165cm (L), Max. Thickness: 7.5cm
Ink Type	UV LED Curable Inks	
Ink Color	C.M.Y.K, White, Varnish	
Ink Capacity	1.5 Liter Bottle	
Ink Supply System	Negative Pressure System (NPS) With Automatic Ink Supply	
UV Technology	Dual UV Led lamp	Quad UV Led lamp
RIP	Onyx 12	
Interface	Ethernet / WIFI	
Power Requirements	100-110 Volt / 220-240 V, 50/60Hz	
Assembled Dimensions (LxWxH)	75" x 51" x 44" Inch	90" x 81" x 44" Inch
Net Weight	250kgs	510kgs

Technical Specifications are liable to change without prior notice.

TECHNICAL SPECIFICATION

Model	RJ 2030		RJ 2513
Printing Technology	Piezoelectric on-demand inkjet technology with grayscale capability		
No. of Printheads	3 Ricoh Gen5 print heads (standard) Up to 8 print heads (optional)		
Printable Media Size	2000mm x 3000mm		2500mm x 1300mm
Acceptable Media Thickness	Up to 100mm		
Ink Type	UV LED curable Ink		
Capacity	1.5 liter /bottle		
Colours	Cyan, Magenta, Yellow, Black, White and Varnish (optional)		
Configuration	(1) CMYK + White, (2) White + CMYK, (3) CMYK + White + CMYK		
Ink Curing Unit	Dual UV LED Lamps		
Software	Onyx Rip centre 12.x		
Interface	Ethernet (CAT6) 250MHz		
Power Supply	AC 220 V ± 10%, 50/60 Hz		
Required Power Capacity	For Printer Operation (15A) max. + For vacuum Platform (10A) max		
Power Consumption	Maximum 6.8kVA		
Dimensions	L 3850 x W 3821 x H 1320		L 2150 x W 4321 x H 1340
Weight	1400kg approx.		1150kg approx.
Environment	(Power on) Temperature: 21°C to 30°C (69° to 86°F)/Humidity: 35 to 80% (Power off) Temperature: 5° to 40°C (41° to 104°F) / Humidity: 20 to 80%		

Technical Specifications are liable to change without prior notice.



UV FLATBED PRINTER

High Quality = High Speed

Astonishingly high qaulity and high speed printing

MEHTA

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ISO 9001 Certified

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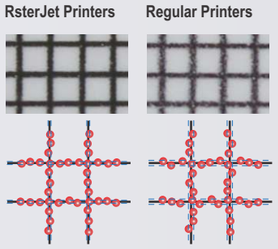
Features

- Technology and all electronics are from Switzerland.
- High speed than any regular UV Printers, thanks to its electronics & Yaskawa AC Servo Motor.
- Printer is provided with PC hardware with LINUX based OS “Ubuntu” which makes virus free, even large file can be process at high speed.
- Back to back printing (3 layers) in single command is possible (CMYK + White + CMYK).
- Metallic linear Encoder on both Axis (X, Y) gives high precision printing.
- Z-Axis Movement up to 300 mm, One can print on 300 mm thickness media.
- RasterJet UV printers are equipped with latest silent LM guide.
- All AC Servo motors and drives are from Yaskawa (Japan), for long life, trouble and maintenance free operation.
- Smart printing technology enable to higher productivity.
- White ink recirculation system is preventing to sedimentations of ink pigment.

Mechanical structure achieves high-precision printing

To reduce printer unit vibration, the print table moves during printing instead of the Y-bar, In addition, to achieve higher position accuracy, two ball screws are installed on both sides of the table to assist with its movement. RasterJet UV flatbed printers offers high performance printing that satisfies the position accuracy necessary for additional printing on preprinted surfaces. Furthermore, fine lines, edges, and small texts are clearly represented. RasterJet UV flatbed printers are the best digital on demand printing solution for the screen printing industry.

Ball screw



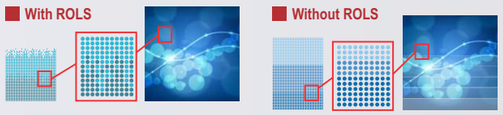
RasterJet’s print technology for achieving high qaulity printing

RasterJet Optimizations Level System

Level 1: Remove the band even in bi-direction mode

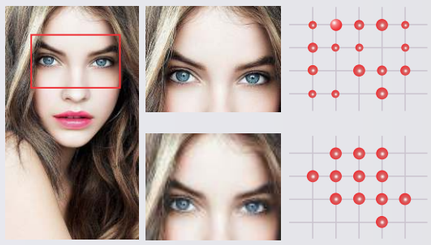
Level 2: Using the optimizations one cannot see the effect on printing even if some nozzles are clogged.

Level 3: Intelligent Feather Printing Technology, The unique intelligent feather printing technology can improve the curable reflective stripes which occurred in the printing process, so that the printing quality can reach the ideal state.



Variable dot printing

Optimum droplet sizes are automatically selected from 6PL to 30PL for each print mode. Moreover, Rasterjet UV flatbed printers can separately control droplet size for process color (CMYK) and spot color. This capability is useful for simultaneous double-layer printing. Small droplet are used for color printing to present a delicate finish, and large droplet are used for white-base-layer printing to obtain high opacity.



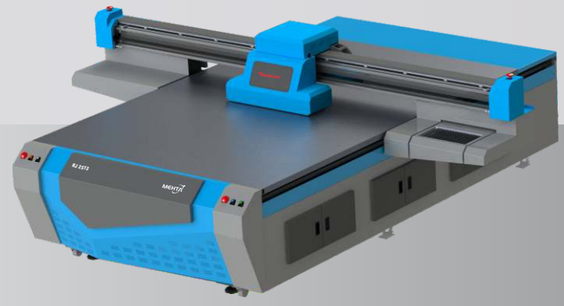
PRINTING SPEED OF RJ 7500 / RJ 1016

Print Level	Resolution	Print Speed m2/hr
Level 3	508 x 900 dpi	6.2 m2/hr / 13.7 m2/hr
Level 4	635 x 1200 dpi	3.7 m2/hr / 12.5 m2/hr
Level 6	635 x 1800 dpi	2.3 m2/hr / 7.6 m2/hr

PRINTING SPEED RJ 2030 / RJ 2513

Print Level	Resolution	Print Speed m2/hr
Level 3	720 x 900 dpi	23 m2/hr
Level 4	360 x 1200 / 720 x 1200 dpi	26 m2/hr / 18 m2/hr
Level 6	360 x 1800 dpi	13 m2/hr

RasterJet™

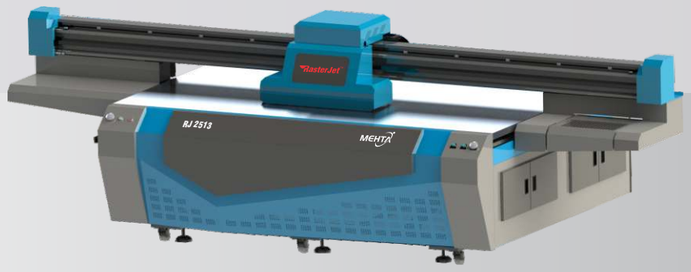


RJ 2030

Working Area : 2000 mm x 3000 mm

Powered by **Ricoh GEN5 Printhead**

Printing Speed : **26 m2/hr**



RJ 2513

Working Area : 2500 mm x 1300 mm

Powered by **Ricoh GEN5 Printhead**

Printing Speed : **24 m2/hr**

Printing Speed : **6.2 m2/hr**

RJ 7500

Working Area : 700 mm x 500 mm

RJ 1016

Working Area : 1000 mm x 1600 mm

Powered by **Ricoh GH2220 Printhead**

Printing Speed : **13.7 m2/hr**